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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/689,373	10/20/2003	Charles E. Amendi	14180 (6365/89763)	2850	
44986 7	590 12/19/2005		EXAM	EXAMINER	
	ATZ, LTD. (ILLINOIS	NAKARANI, DHIRAJLAL S			
120 S. RIVERSIDE PLAZA CHICAGO, IL 60606			ART UNIT	PAPER NUMBER	
•			1773		

DATE MAILED: 12/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
Office Action Summary		10/689,373	AMENDT ET AL.				
		Examiner	Art Unit				
		D. S. Nakarani	1773				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHOWHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DA asions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period w re to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONED	l. ely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
2a)□	Responsive to communication(s) filed on <u>14 Octoor</u> This action is FINAL . 2b) This Since this application is in condition for allower closed in accordance with the practice under Expression 1.	action is non-final. nce except for formal matters, pro					
Dispositi	on of Claims						
4) Claim(s) 1-6 and 19 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-6 and 19 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. Application Papers							
	The specification is objected to by the Examine	r					
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority u	ınder 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 							
Attachment	t(s) e of References Cited (PTO-892)	4) 🔲 Interview Summary	(PTO-413)				
2) Notic 3) Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 9/19/05 & 10/11/05.	Paper No(s)/Mail Da					

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DETAILED ACTION

1. Applicant's election of Group I, claims 1-7, in the reply filed on October 14, 2005 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).

- 2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claims 2, 3 and 19 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 2, lines 2-3, the limitation "orientation of the first plastic layer is an angle selected between 20 degrees and 70 degrees relative to the core" renders claim indefinite since core is made of the paper board and there is no specific reference line and/or orientation of the paperboard is provided. Therefore it is not clear how to measure selected angle.

Claim 19, lines 2-3, the phrase "reference direction of the paperboard core" renders claim indefinite. Which direction of the paperboard core is considered as a reference direction? Clarification and/or correction requested.

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- 5. Claim 3 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 3 depends from claim 2 which requires orientation of the first plastic layer and orientation of second plastic layer cross at 90 degree (i.e. sum of complementary angles). How does the limitation "first and second layers cross at an angle of about ninety degrees to one another" in claim 3 further limits subject matter of claim 2? It does not.
- 6. Claims 1-6 and 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over Sidorenko et al (Canadian Patent 989287).

Sidorenko et al disclose scrim reinforced paper/plastic board comprising corrugated paperboard core and to both sides of the core reinforcing scrim is bonded using thermoplastic film. The scrim is made of oriented polypropylene tapes, which are perpendicular to each other with 0.125 to 0.25 inch spacing between the tapes (Page 9, lines 26-30). The claimed orientation of first and second layers is met by comparing orientation of tapes of first scrim on one side with the orientation of tapes at 90 degrees in the second scrim on other side. Sidorenko et al disclose bonding thermoplastic film such as polyethylene, polypropylene etc (Page 6, lines 21-25). Sidorenko et al fail to disclose polyethylene tapes for forming the scrim.

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However given the teaching of Sidorenko et al it would have been obvious to a person of ordinary skill in the at the time of this invention made to apply scrim such a way so tapes form any desired angle in reference to corrugation of the core.

- 7. Applicant's arguments with respect to claims 1-7 have been considered but are most in view of the new ground(s) of rejection.
- 8. Receipt of Information Disclosure Statements filed September 19, 2005 and October 11, 2005 is acknowledged. All recited documents have been made of record. The German document DE 2 423 209 listed on PTO/SB/08a dated September 19, 2005 has been considered as an equivalent to Canadian Patent 989287 and has been considered to the extent of Canadian Patent 989287.
- 9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. S. Nakarani whose telephone number is (571) 272-1512. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carol Chaney can be reached on (571) 272-1284. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. S. Nakarani Primary Examiner Art Unit 1773

DSN December 10, 2005.